

PRODUCTION OF 1,3,3,3-TETRAFLUOROPROPENE

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Abstract of JP11140002

PROBLEM TO BE SOLVED: To obtain the subject compound in a high yield, by passing a specific pentafluoropropane to a reaction zone in a vapor phase at a raised temperature.

SOLUTION: 1,1,1,3,3-Pentafluoropropane is introduced to a reaction zone in a vapor phase at a raised temperature in a reactor made of a material substantially inert to hydrogen fluoride. The reaction temperature is preferably 200-600 deg.C and the reaction pressure is 0.1-10 kg/cm² and the contact time is preferably 0.1-300 seconds generally. Preferably activated carbon or activated carbon carrying 0.1-80 wt.% calculated as a metal supplied amount of a metal compound such as chromium compound or the like is preferably used as a catalyst.

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